

Abstract

Method for transmitting data within a communication system, the communication system comprising a communication media and a number of nodes connected to the communication media, the data being transmitted across the communication media within a communication cycle comprising a number of time slots assigned to one or more nodes of the communication system. In order to provide a possibility for a data transmission within communication cycles, which can satisfy the demands in communication systems for safety critical applications, too, it is suggested, that the communication cycle is initiated by an external event. The external event can be caused by manually setting a bit by a host, by a configurable timer in a controller host interface (CHI) or by an external trigger.